

6 ceramic particles not relating to the charge and discharge reaction of the
7 battery in the negative electrode;

8 wherein:

9 the content of the ceramic particles is 0.01 to 10 parts by weight in 100
10 parts by weight of active substance in the negative electrode;

11 the particle size of the ceramic particles is 10 microns or less; and

12 the gel polymer electrolyte does not comprise ceramic particles.

1 22. (Amended) A non-aqueous lithium ion secondary battery comprising:

2 a positive electrode comprising a lithium transition metal compound oxide;

3 a negative electrode comprising an active substance that occludes and
4 releases lithium;

5 a microporous polymer film separator between the positive electrode and
6 the negative electrode; and

7 a nonaqueous electrolyte solution dissolving a lithium salt;

8 wherein:

9 the negative electrode comprises ceramic particles not relating to the charge
10 and discharge reaction of the battery;

11 the content of the ceramic particles is 0.01 to 10 parts by weight in 100
12 parts by weight of the active substance in the negative electrode; and

13 the particle size of the ceramic particles is 10 microns or less.